

**System and Method for Processor Thread
for Software Debugging**

ABSTRACT

A system and method for using a processor thread as a
5 debugger is presented. A computer system boots up and
initiates a debugger thread. The debugger thread loads a
robust, debugger operating system and executes the debugger
operating system. Once the debugger thread is functioning,
the debugger thread invokes an operational thread. In
10 turn, the operational thread loads a primary operating
system and may run various applications. While the
operational thread executes the primary operating system
and the applications, the debugger thread monitors the
operational thread for proper functionality. When the
15 operational thread crashes or terminates, the debugger
thread retrieves operational data from the operational
thread and provides the operational data to a software
developer for analysis.